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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/718,564	11/24/2003	Charles Francis Haight	0918.0223C	1879
27896 EDELL, SHAF	7590 05/15/2007 PIRO & FINNAN, LLC	EXAMINER		INER
1901 RESEAR	CH BOULEVARD		HENEGHAN, MATTHEW E	
SUITE 400 ROCKVILLE, MD 20850		·	ART UNIT	PAPER NUMBER
			2134	
			·	
			MAIL DATE	DELIVERY MODE
			05/15/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
Office Action Summary	10/718,564	HAIGHT, CHARLES FRANCIS			
,	Examiner	Art Unit			
The MAILING DATE of this communication app	Matthew Heneghan	2134			
Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DATE - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period was realiure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 28 Fe	ebruary 2007.				
·—	<i>,</i> —				
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4)	vn from consideration.				
Application Papers					
9) The specification is objected to by the Examiner 10) The drawing(s) filed on 16 December 2004 is/an Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Ex	re: a) \square accepted or b) \square object drawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte			

DETAILED ACTION

1. In response to the previous office action, claims 1, 2, 5, 8, 14, 15, and 19 have been amended; claims 3, 4, 6, 7, 9-13, 16-18, and 20-23 have been cancelled; and claims 24 and 25 have been added. Claims 1, 2, 5, 8, 14, 15, 19, 24, and 25 have been examined.

Drawings

2. In view of the amendments to the specification, all previous objections to the drawings are withdrawn.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1, 2, 5, 8, 14, 15, 19, 24, and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,052,786 to Tsuchida.

Regarding claims 1, 2, 14, 15, 24, and 25, Tsuchida determines the header and

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payload in a transmission, disassembling the cells (packets) into headers and payloads (see column 8, lines 45-47); the logic that inherently performed this function constitutes separation state machine logic. The payload only is transformed into cipher text (hence, it was therefore received as unencrypted), which inherently involves the use of an encrypting algorithm (see column 8, lines 62-65). The cells are then reassembled and transmitted, with headers being forwarded directly to reassembly without cryptographic processing (see column 9, lines 17-27).

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Tsuchida discloses that encryption is selectively done based upon the logical channel (i.e. the virtual channel) of each respective cell (see column 16, lines 7-12). Since this can only be determined by examining the VCI field in the header (see column 6, lines 55-61), any validation must be done in this manner. The contents of ATM cells are further validating by examining the HEC field (see column 6, line 59); since ATM cells must be set length, framers at the physical layer must inherently verify the number of bits received. These functionalities together constitute the first validation machine logic.

Tsuchida does not explicitly state that signaling is performed between the steps to signify validation; however, since the later steps (e.g. the merge logic) cannot operate properly without valid data (and would fall out of sync), it would be common sense to provide signals to the other portions of the logic using door logic, including those that send information to the later steps (e.g. the first validation sate machine logic) in order to maintain synchronization.

Regarding claim 5, Tsuchida does not disclose the processing of particular types of data payloads.

These differences are only found in the nonfunctional descriptive material and are not functionally involved in the steps recited. The data processing steps would be performed the same regardless of the data. Thus, this descriptive material will not distinguish the claimed invention from the prior art in terms of patentability, see In re Gulack, 703 F.2d 1381, 1385, 217 USPQ 401, 404 (Fed. Cir. 1983); In re Lowry, 32 F.3d 1579, 32 USPQ2d 1031 (Fed. Cir. 1994).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to pass data comprising speech data or Ethernet data, because such data does not functionally relate to the steps in the method claimed and because the subjective interpretation of the data does not patentably distinguish the claimed invention.

Regarding claims 8 and 19, an implementation with a sufficiently fast processor would result in the passing of traffic at the maximum (unencrypted) traffic rate.

Conclusion

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Matthew E. Heneghan, whose telephone number is (571) 272-3834. The examiner can normally be reached on Monday-Friday from 8:30 AM - 4:30 PM Eastern Time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kambiz Zand, can be reached at (571) 272-3811.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks P.O. Box 1450 Alexandria, VA 22313-1450

Or faxed to:

(571) 273-3800

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2100.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

M. The office

MEH

May 13, 2007

Matthew Heneghan, USPTO Art Unit 2134